

## POWEROIL GEM LC2 PTFE GREASE

### STATE OF THE ART PTFE BASE HIGH PERFORMANCE GREASE

**POWEROIL LC2 PTFE** is a premium high performance Extreme Pressure PTFE grease. It is mineral oil based, consisting of lithium complex soap as a thickener. It is fortified with micronized polytetrafluoroethylene (PTFE) powder as a solid additive to sustain heavily loaded systems. The state of the art additives in the grease provide excellent anti-corrosion and anti-oxidant properties, apart from imparting excellent high load carrying capacity and high temperature resistance. All these properties result in long life of the grease.

CHARACTERISTICS	POWEROIL LC2 PTFE GREASE
Colour	Pale Yellow
NLGI Grade	2
Penetration @ 25°C, 60 Strokes	265-295
Structure	Homogeneous
Thickener	Lithium Complex
Drop Point, °C., Min.	260
Copper Strip Corrosion, 24 hour @ 100°C	1 b
Weld Load, Kg	620
WSD, mm	0.6
Water Wash Out, @ 80°C, % Loss by mass	5.0
Heat Stability, % by mass	5.0
Rust Preventive Test, Emcor Test	Pass
Thermal Stability, % Loss by mass	3.0
Oxidation Stability (100 hour) 0.5 Drop in pressure kg/sq cm	0.5
Leakage and Deposit forming tendencies (wheel bearing test at 113°C) (a) Leakage by mass (g) (b) Deposit in the wheel bearing racer or the rollers	5.0 Free from deposit

The above properties are typical values and do not constitute specification of the product

#### APPLICATION:

POWEROIL LC2 PTFE is ideal for bearings and other lubrication applications of furnaces especially running at high temperatures, under heavy shock loads and under copious amounts of water ingress. It is an ideal grease for usage in steel plants, paper mills, sugar mills and any critical applications of engineering industrial lubrication systems.

#### PERFORMANCE BENEFITS:

- Excellent load carrying performance.



Tomorrow's solutions today

**POWEROIL®**

Powering Ahead

- Very high Extreme Pressure Property thereby protecting systems against heavy and shock loads.
- Outstanding Mechanical Stability.
- Very good anti-corrosive and water resistance property, making it ideal for usage in locations with high water ingress